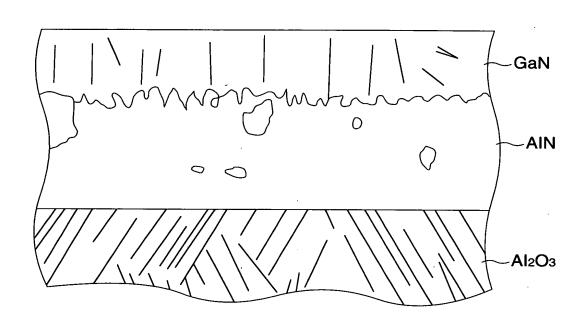
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FIG. 1



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FIG. 2

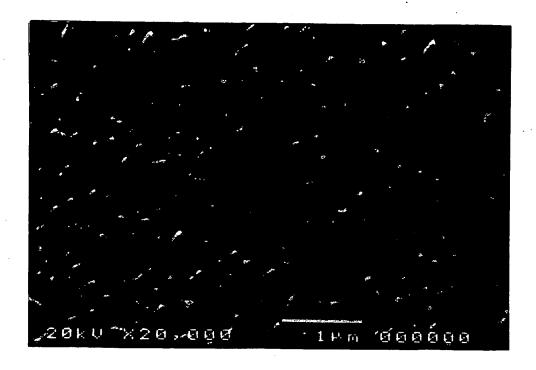
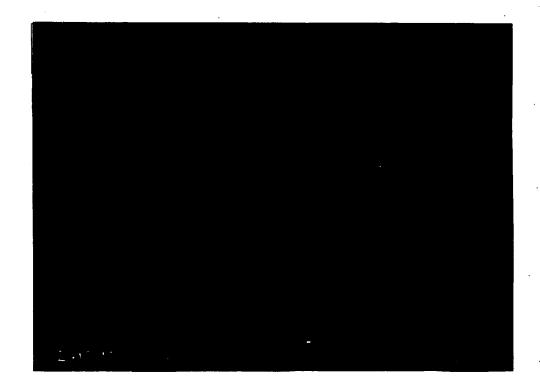
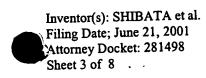


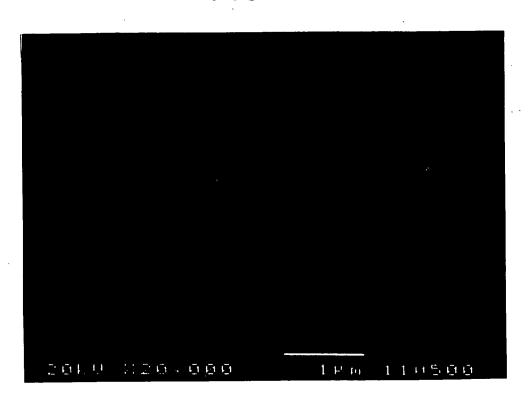
FIG. 3





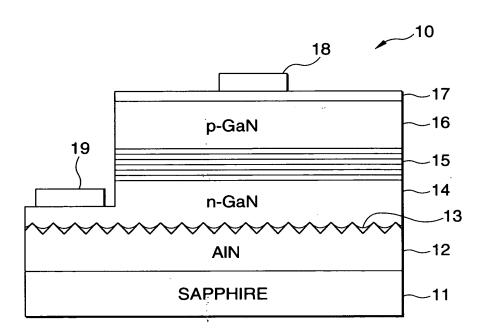
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FIG. 4



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FIG. 5



COMMUNICACION COMMUNICACION

SiO₂

12:AIN TEXTURE STRUCTURE

11:SAPPHIRE SUBSTRATE

FIG. 6B

13:SiO₂

12

11

FIG. 6C

13:SiO₂

Gan in the initial stage

12

11

FIG. 6D

13:SiO₂

GaN

12

11



FIG. 7

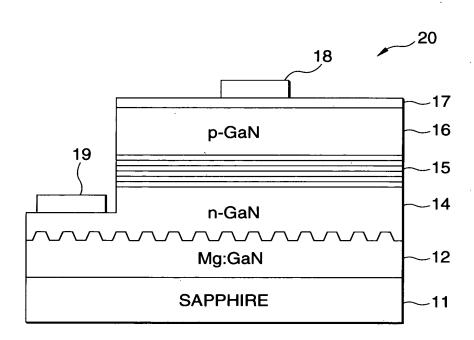
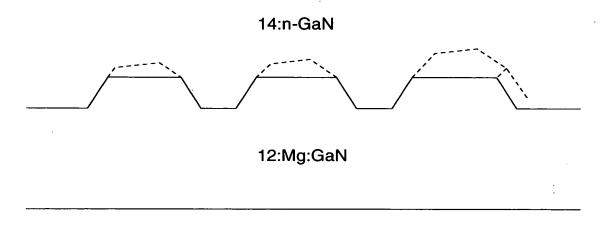


FIG. 8



11:SAPPHIRE



or(s): SHIBATA et al. Date; June 21, 2001 Attorney Docket: 281498 Sheet 8 of 8

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FIG. 9

